III DEPAR	TIMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTORNEY'S DOCKET NUMBER					
mer (1.00)		P04334US0					
TRANSMITTAL LETTER	TO THE UNITED STATES	U.S. APPLICATION NO. (If known, see 37 CFR 1.5)					
DESIGNATED/ELECTED OFFICE (DO/EO/US)		09/446711					
CONCERNING A FILING UNDER 35 U.S.C. 371 DITERNATIONAL APPLICATION NO. INTERNATIONAL FILING DATE: PRIORITY DATE CLAIMED PRIORITY DATE CLAIMED PRIORITY DATE CLAIMED							
INTERNATIONAL APPLICATION NO. PCT/CA98/00648	2 JULY 1998 (02.07.98)	3 JULY 1997 (03/07.97)					
TOT THE PROPERTY.		D. D. I. NIMC					
METHOD FOR IMPROVING THE FREEZING TOLERANCE OF FRANZE							
APPLICANT(S) FOR DO/EO/US							
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:							
This is a FIRST submission of item	This is a FIRST submission of items concerning a filing under 35 U.S.C. 371.						
This is a SECOND or SUBSEOU	This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371.						
This express request to begin nation	nal examination procedures (35 U.S.C. 371(f)) at ar	ny time ratife than delay and PCT Articles 22 and 39(1).					
4. A proper Demand for International	examination until the expiration of the applicable time limit and by the 19th month from the earliest claimed priority date.						
5 3 A copy of the International Apr	olication as filed (35 U.S.C. 371(c)(2))						
is the service of the convict of the							
b. A has been transmitted b	y the International Bureau.	siving Office (RO/US)					
c. is not required, as the	application was filed in the United States Reco	7))					
a. is transmitted herewith b. is has been transmitted be c. is not required, as the A translation of the Internation Amendments to the claims of the	al Application into English (35 U.S.C. 371(c)(the International Application under PCT Article	e 19 (35 U.S.C. 371(c)(3))					
Amendments to the claims of the	ith (required only if not transmitted by the Inte	anational Bureau).					
a are transmitted nerewi	by the International Bureau.						
a. are transmitted herewing and are transmitted herewing are transmitted herewing are transmitted herewing.	however, the time limit for making such amen	dments has NOT expired.					
have not been made a							
	its to the claims under PCT Article 19 (35 U.S.	.C. 371(c)(3)).					
		,					
9. An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).							
A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).							
Items 11. to 16. below concern docum	nent(s) or information included:						
	stement under 37 CFR 1.97 and 1.98.						
4 ···		ce with 37 CFR 3.28 and 3.31 is included.					
12. An assignment document for r	ecording. A separate cover sheet in complian	CE WILLIST CITY SIZE WILL SEE					
13. A FIRST preliminary amendm	ent.						
A SECOND or SUBSEQUEN							
14. A substitute specification.							
15. A change of power of attorney	y and/or address letter.						
	gentificate of Ex	press Mailing (in duplicate					
16. Other items or information:	- Certificate of Da						
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09/41	10/11	PCT/CA98/00648		P04334U	<u>\$0</u>		
17. KX The foll	lowing fees are submitte	ed:		CALCULATIONS	PTO USE ONLY		
BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):							
Neither international preliminary examination fee (37 CFR 1.482)							
nor internation	nal search fee (37 CFR	1.445(a)(2)) paid to USPTO	60 00 00				
and Internatio	nal Search Report not p	repared by the EPO or JPO	\$970.00				
International	preliminary examination	fee (37 CFR 1.482) not paid to	l				
USPTO but It	nternational Search Rep	ort prepared by the EPO or JPO	· \$840.00				
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International	preliminary examination						
but internation	nai search ree (37 CFR	1.445(a)(2)) paid to USPTO	3/00.00				
International	preliminary examination	fee paid to USPTO (37 CFR 1.482	2)				
but all claims	did not satisfy provision	ns of PCT Article 33(1)-(4)	\$670.00				
International	nreliminary examination	fee paid to USPTO (37 CFR 1.482	2)	•			
and all claims	satisfied provisions of	PCT Article 33(1)-(4)	\$ 96.00				
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	ENIER AFFR	OFRIATE BASIC FEE AN	IOUNI -	³ 840.00			
Compheres of \$13	0.00 for furnishing the c	oath or declaration later than 2	0 30	•			
months from the	earliest claimed priority	date (37 CFR 1.492(e)).	° ⊔"	S			
					<u> </u>		
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE				
Total claims	- 20	=	X \$18.00	S			
Independent claims	-3	=	X \$78.00	S			
1:	ENDENT CLAIM(S) (if a	nnlicable)	+ \$260.00	S			
MOLITICEDE		L OF ABOVE CALCULA		S			
2	1014	L OF ABOVE CALCULA	110113	-			
Reduction of 1/2	for filing by small entity	y, if applicable. A Small Entity Stat	ement	S			
must also by filed	1 (Note 37 CFR 1.9, 1.2)	7, 1.28).			1		
<u> </u>	<u> </u>	CIDY	TOTAL =	S			
[
Processing fee of	\$130.00 for furnishing	the English translation later than	20 30	S			
months from the	earliest claimed priority	date (37 CFR 1.492(f)).	_ +	•	. .		
		TOTAL NATION	ALEEE =	\$			
					 		
Fee for recording	the enclosed assignmen	at (37 CFR 1.21(h)). The assignment (37 CFR 3.28, 3.31). \$40.00 pe	nt must be	S			
accompanied by	an appropriate cover site	æt (37 CFR 3.28, 3.31). 340.00 pe	Property				
		TOTAL FEES ENC	CLOSED =	\$840.00	1 .		
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NOTE: When	e an annronriate time	limit under 37 CFR 1.494 or 1.49	5 has not been n	net, a petition to re-	vive (37 CFR		
1.137(a) or (b)) must be filed and gra	inted to restore the application to	pending status.	•			
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SEND ALL CORRE	SPONDENCE TO:		MII		l M		
_			SIGNATI	ME: Y V V			
Heidi S	. Nebel		•• - • •				
ZARLEY, MCKEE, THOMTE, VOORHEES Hei			li S. Nebel				
& SE	•		NAME				
801 GRAND AVENUE 37,			719				
SUITE 3							
DES MOINES, IOWA 50309-2721							
Phone: 515-288-3667 Fax: 515-288-1338							
Phone	515 <u>_</u> 788_3647	/ Payo 515_788_1	44 8				



CERTIFICATE OF EXPRESS MAILING

I hereby certify that the enclosed Form PTO-1390 (Rev. 11-98) Transmittal Letter (in duplicate) to the U.S. Designated/Elected Office, check for \$840.00 USD and documents associated with a filing under 35 U.S.C. § 371 for Allard, et al., applicants for the US re PCT/CA98/00648, have been mailed by the U.S. Postal Service's Express Mail in an envelope addressed to: Assistant Commissioner of Patents, Box: PCT, Washington, D.C. 20231, prior to 5:00 p.m. on 22 December, 1999.

Cindy A. Garroutte

Express Mail #EL325951787US